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concl. ligated directly or by a linker to a fragment of the human protein C gene beginning 21 basepairs upstream of the protein C start codon and ending at the *NheI* site in the 3' end of the protein C gene.

43 8.6 (Twice amended) The process of claim 8.5, wherein said protein C is human protein C, and wherein said DNA sequence encoding protein C further comprises [portions of] regulatory elements located in the non-coding regions of the human protein C gene, wherein said regulatory elements are the AUG start codon, donor and acceptor splice signals, the secretion peptide, translation termination signal, transcription termination signal, and polyadenylation signal.

44 9.8 (Amended) The process of claim 8.5, wherein said exogenous DNA comprises a DNA sequence [consisting essentially of] comprising the 5' 4.2 kb *Sau3A* - *KpnI* promoter fragment of the mouse whey acidic protein promoter ligated directly or by a linker to a fragment of the human protein C gene beginning 21 basepairs upstream of the protein C start codon and ending at the *NheI* site in the 3' end of the protein C gene.

45 11.9 (Four times amended) A process for producing non-human transgenic mammals, comprising the steps of (A) providing a mixture containing a double-stranded DNA; (B) subjecting said mixture to anion-exchange high performance liquid chromatography to obtain purified double-stranded DNA; and thereafter (C) microinjecting an aqueous buffer solution containing said purified double-stranded DNA into an animal embryo, wherein said double-stranded DNA is selected from the group consisting of a double-stranded DNA comprising the 5' 4.2 kb *Sau3A* - *KpnI* promoter fragment of the mouse whey acidic protein promoter, a double-stranded DNA comprising a fragment of the human protein C gene beginning 21 basepairs upstream of the protein C start codon and ending at the *NheI* site in the 3' end of the protein

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Amended. C gene, and a double-stranded DNA comprising a DNA sequence [consisting essentially of] comprising the 5' 4.2 kb *Sau3A* - *Kpn1* promoter fragment of the mouse whey acidic protein promoter ligated directly or by a linker to a fragment of the human protein C gene beginning 21 basepairs upstream of the protein C start codon and ending at the *NheI* site in the 3' end of the protein C gene, wherein the activated form of protein C encoded by said double-stranded DNA has an enzymatic activity of at least 50% as plasma-derived protein C, and wherein said transgenic mammal is selected from the group consisting of mice, rats, rabbits, pigs, sheep, goats and cows.

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14. (Thrice amended) A transgenic non-human mammal containing an ~~exogenous~~ DNA sequence stably integrated in its genome, wherein said ~~exogenous~~ DNA sequence comprises the 5' 4.2 kb *Sau3A* - *Kpn1* promoter fragment of the mouse whey acidic protein promoter, operably linked to a DNA ~~sequence~~ ^{sequence} encoding a ~~polypeptide~~ ^{polypeptide} whereby said [protein] polypeptide is expressed specifically in mammary cells of said transgenic mammal and said [protein] polypeptide comprises a signal peptide, said signal peptide being effective in directing the secretion of said [protein] polypeptide into the milk of said mammal.

REMARKS

Claims 1-4, 6-9, 11, 12, 14 and 16-24 are pending in the present application. Applicants have amended the claims to define more clearly what they consider to be their invention, substantially in keeping with the examiner's suggestions. Support for the language "regulatory elements are the AUG start codon, donor and acceptor splice signals, the secretion peptide, translation termination signal, transcription termination signal, and polyadenylation signal" in amended claims 2 and 7 can be found in the specification on page 17, lines 15-19. For the examiner's convenience, applicants include a copy of the amended